

METHOD AND APPARATUS FOR PREPARING TOMOGRAPHIC IMAGE

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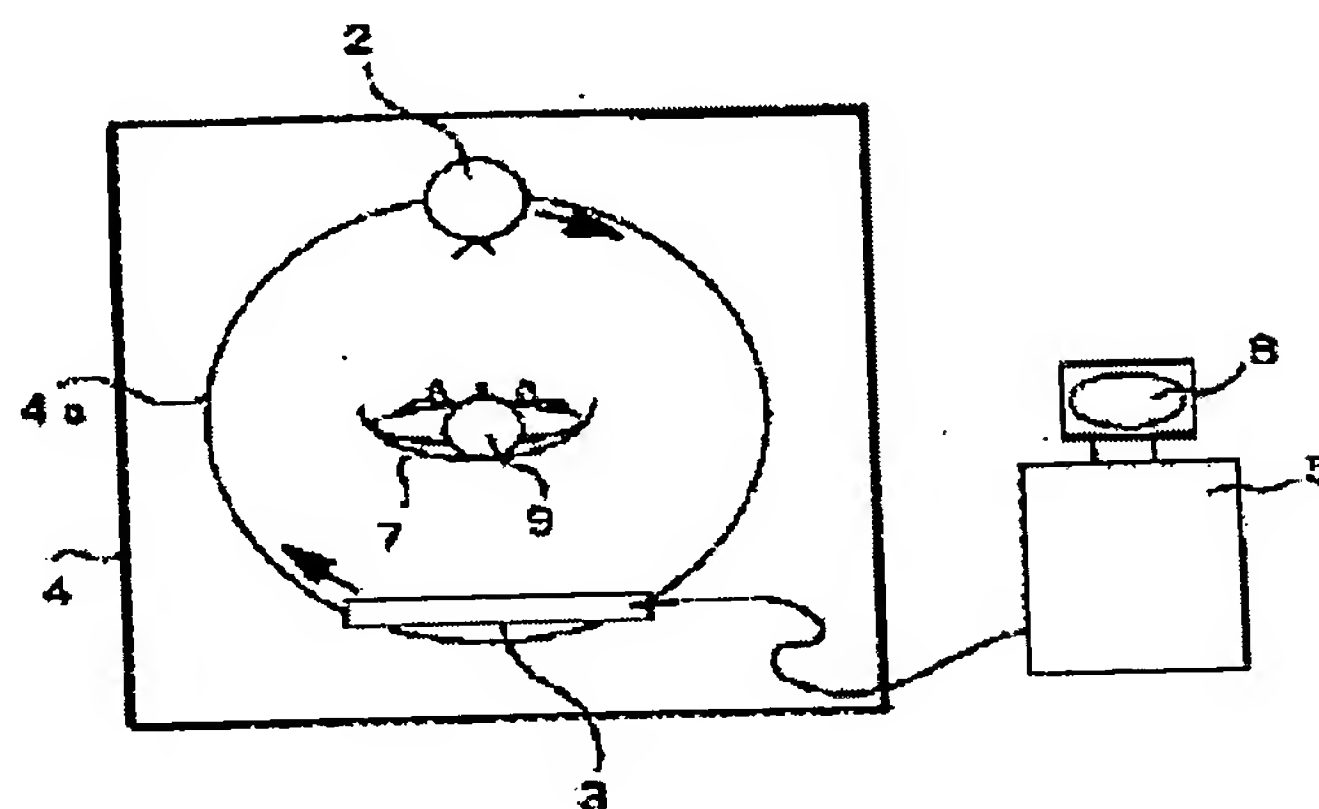
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Abstract of JP2002078702

PROBLEM TO BE SOLVED: To provide a tomographic image preparing method capable of providing the tomographic image of high picture quality without generating an artifact at the terminal part of a weighted projection data array and without decelerating a processing speed. **SOLUTION:** In the tomographic image preparing method, with which an examinee 9 is spirally scanned by a spiral scanning CT apparatus 4 having plural lines of X-ray detectors 3 and the tomographic image is prepared from the provided projection data array, the weighted projection data array is provided by weighting a form variable weighting function, with which the tomographic image of arbitrary slice thickness calculated on the basis of preset conditions can be prepared, to the projection data array provided by spiral scanning and the tomographic image is prepared by reconfiguring the provided weighted projection data array. Therefore, since no artifact is generated at the terminal part of the weighted projection data array and further the number of processing processes is not increased, either, the tomographic image of high picture quality can be provided without decelerating the processing speed.



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